

SPECIFICATION

PRODUCT NAME	:	KADPOL™ 981 NF
General INCI Name	:	CARBOMER HOMOPOLYMER TYPE A
Appearance	:	White Fluffy Powder Hygroscopic
Odor	:	Slightly Acetic
Packing	:	5 / 18 / 20 Kgs CARTON BOXES
Storage	:	Keep in Air Tight Container

	Solubility	%SOLUTION	MINIMUM	MAXIMUM
Brookfield RVF or RVT Viscosity, (mPa•s): (20 rpm at 25°C, neutralized solutions)	When Neutralize With Alkali Hydroxide Or Amine It Dissolve In Water Alcohol And Glycerin	0.5%	4,000	10,000
		0.2%	1,000	6,000
Identification TEST				
(A & B)				PASS
(C & D)				PASS
Loss on Drying				
Kadpol™ 981NF	--	--	--	2.0%
Heavy Metals				
1) Arsenic	--	--	--	2ppm
2) Hg, Pb, As, Sb,	--	--	--	10ppm
Residual Solvent, %				
(Ethyl Acetate)	--	--	--	0.3%
(Cyclo Hexane)	--	--	--	0.3%
Benzene, ppm	--	--	--	0.50
Residual Monomer, ppm (Free Acrylic Acid)	--	--	--	1000ppm
Assay (Carboxylic Acid group)	--	--	56.0%	68.0%
Sulphated Ash% (Residue on Ignition)	--	--	--	2.5%
IN HOUSE SPECIFICATION				
Clarity % Transmission (neutralized solution, 420 nM light)				
Kadpol™ 981NF	--	0.5%	80%	--
pH , (Water Dispersion)	--	0.5%	2.5	4.0